

FOH0336

US EPA RECORDS CENTER REGION 5



464484

OEPA SURV COL A

OEPA SWDIST DTN
TWX OEPA SURV COLS 8104821875
12/11/74 1400
ATTN: KEN SCHULTZ
SPILL FOLLOW-UP 11-84-810
S

SPILL FOLLOW UP TITLE: TROY NORTH SE WAGE PLANT, CAUSED BY
HOBART BROTHERS COMPANY.

STREAM AFFECTED: N. CANAL TO GREAT MIAMI RIVER
N. CANAL WAS ALREADY MESSED UP SO WHILE PLANT EFFLUENT WAS BAD
IT DID NOT ADVERSELY AFFECT GREAT MIAMI RIVER.
TOLD BY OPERATOR CAUSE WAS HOBART BROTHERS. SAMPLE TAKEN AT STP
11-18-74, HAD HIGH SOLIDS WASHOUT.

12-10-74 VISITED HOBART BROS. TALKED WITH JOHN PENROD, PROJECT
ENGINEER, (513) 339-6565, TROY OHIO 45373. HOBART HAS PRE-TREATMENT
FACILITIES AT ROD MANUFACTURE PLANT OFF RIDGE ST. ACIDS ARE NEUTRALIZED
BY AMMONIA IN A PROCESS BY VERSCAMP CORP. SET TO MAINTAIN 6.8-7.5 PH.
FACILITY IS LOCATED IN SMALL BUILDING, CONTROL SYSTEM FAILED, ALLOWING
3000 POUNDS OF AMMONIA TO ESCAPE (10,000 GALLON TANK). SPILL WAS
NOTICED BY HOBART ON ARRIVAL MONDAY AND TANK SHUT OFF. OPERATION IS
NOW RUN MANUALLY. NEW CONTROLS ARE ON ORDER AND NEW CONTROL
BUILDING IS ALMOST FINISHED. SPILL CAUSE - CONTROL AND ALARM FAILED
BECAUSE EXCESS HUMIDITY AND FUMES IN SMALL BUILDING. HUMIDITY
100%. SO FOGGY I COULD NOT SEE 6 FEET IN NEUTRALIZATION ROOM.
AMAZING CONTROLS LASTED THIS LONG. ALMOST EVERYTHING, INCLUDING
DOOR WAS BADLY CORRODED. SEPARATE BUILDING FOR CONTROLS SHOULD
SOLVE PROBLEM, AND NEW ALARM SYSTEM IS BEING INSTALLED. ALSO TALKED
TO TOM DAVIS ABOUT THE ACTUAL NEUTRALIZATION PROCESS AND ROOM.
THE RE, SATISFIED, I FINALLY GOT THERE.

SIGNATURE, KEN HARSH.

OHIO DEPARTMENT OF HEALTH

WATER QUALITY DATA

Date Received

71-22-74

Laboratory Number

7579

Date Reported

12-17-74

Analyst

RK

Station

Troy North STP

Station Code

County

Miami

Ken Harsh

Identification of Sample

Effluent

Sample Code

Date of grab sample
(or last date of composite sample)

Year Month Day Hour Minute

Composite Type

Sample Types:

 Industrial Sewage Water Supply StreamBeginning Date
of Composite Sample

Year Month Day

Hour Minute

Frequency

Analysis to be Reported to:

 CO SEDO NEDO SWDO. NWDO

REASON FOR TAKING SAMPLE - ADDITIONAL INFORMATION - REMARKS BY ANALYST:

Spill by Hobart Mfg.

Regular (or indicate by checking boxes).		CFS	Fluoride Diss, F	mg/l	Cyanide, CN	mg/l
<input type="checkbox"/> Flow			<input type="checkbox"/> Calcium Total, Ca	mg/l	<input type="checkbox"/> MBAS	mg/l
<input type="checkbox"/> Water Temperature, Field		C°	<input type="checkbox"/> Magnesium Total, Mg	mg/l	<input type="checkbox"/> Oil-Grease, Total	ug/l
<input type="checkbox"/> pH, Field		S. U.	<input type="checkbox"/> Potassium Total, K	mg/l	<input type="checkbox"/> Phenols	ug/l
<input checked="" type="checkbox"/> Dissolved Oxygen, Field	10	mg/l	<input type="checkbox"/> Sodium Total, Na	mg/l	<input type="checkbox"/> Tannin Lignin	mg/l
<input type="checkbox"/> Hydrogen Sulfide, Field		mg/l	<input type="checkbox"/> Aluminum Total, Al	ug/l	<input type="checkbox"/> Aldrin, Whl Smpl	ug/l
<input type="checkbox"/> Chlorine Free Avl, Field		mg/l	<input type="checkbox"/> Antimony Total, Sb	ug/l	<input type="checkbox"/> DDD, Whl Smpl	ug/l
<input type="checkbox"/> Chlorine Tot Resd, Field		mg/l	<input type="checkbox"/> Arsenic Total, As	ug/l	<input type="checkbox"/> DDE, Whl Smpl	ug/l
<input type="checkbox"/> Color		Pt-Co Units	<input type="checkbox"/> Barium Total, Ba	ug/l	<input type="checkbox"/> DDT, Whl Smpl	ug/l
<input type="checkbox"/> Odor		T. N.	<input type="checkbox"/> Beryllium Total, Be	ug/l	<input type="checkbox"/> Dieldrin, Whl Smpl	ug/l
<input checked="" type="checkbox"/> Turbidity	122	J. U.	<input type="checkbox"/> Bismuth Total, Bi	ug/l	<input type="checkbox"/> Chlordane, Whl Smpl	ug/l
<input checked="" type="checkbox"/> Conductivity at 25 C°	1650	Micromhos	<input type="checkbox"/> Boron Total, B	ug/l	<input type="checkbox"/> Endrin, Whl Smpl	ug/l
<input checked="" type="checkbox"/> pH, Lab	10.2	S. U.	<input type="checkbox"/> Cadmium Total, Cd	ug/l	<input type="checkbox"/> Heptachlor, Whl Smpl	ug/l
<input type="checkbox"/> pH, CaCO ₃ Stability		S. U.	<input type="checkbox"/> Chromium Total, Cr	ug/l	<input type="checkbox"/> Hchir-Epoxyde, Whl Smpl	ug/l
<input type="checkbox"/> Alkalinity Total, CaCO ₃		mg/l	<input type="checkbox"/> Chromium Hex, Cr	ug/l	<input type="checkbox"/> Lindane, Whl Smpl	ug/l
<input type="checkbox"/> Alkalinity Phth, CaCO ₃		mg/l	<input type="checkbox"/> Cobalt Total, Co	ug/l	<input type="checkbox"/> Methoxychlor, Whl Smpl	ug/l
<input type="checkbox"/> Alkalinity, CaCO ₃ Stabl		mg/l	<input type="checkbox"/> Copper Total, Cu	ug/l	<input type="checkbox"/> Malathion, Whl Smpl	ug/l
<input type="checkbox"/> Carbon Dioxide, CO ₂		mg/l	<input type="checkbox"/> Iron Total, Fe	ug/l	<input type="checkbox"/> Parathion, Whl Smpl	ug/l
<input type="checkbox"/> Acidity Total, CaCO ₃		mg/l	<input type="checkbox"/> Iron Diss, Fe	ug/l	<input type="checkbox"/> Methyl Parathion, Whl Smpl	ug/l
<input type="checkbox"/> Acidity M.O., CaCO ₃		mg/l	<input type="checkbox"/> Iron Ferrous, Fe	ug/l	<input type="checkbox"/> Beta, Total	pc/l
<input type="checkbox"/> Hardness Total, CaCO ₃		mg/l	<input type="checkbox"/> Lead Total, Pb	ug/l	<input type="checkbox"/> Beta, Diss	pc/l
<input checked="" type="checkbox"/> Residue, Total	938	mg/l	<input type="checkbox"/> Lithium Total, Li	ug/l	<input type="checkbox"/> Beta, Suspd	pc/l
<input type="checkbox"/> Residue, Total Volatile		mg/l	<input type="checkbox"/> Manganese Total, Mn	ug/l	<input type="checkbox"/> Alpha, Total	pc/l
<input type="checkbox"/> Residue, Total NHT (Sus)		mg/l	<input type="checkbox"/> Mercury Total, Hg	ug/l	<input type="checkbox"/> Alpha, Diss	pc/l
<input type="checkbox"/> Residue, Vol NHT		mg/l	<input type="checkbox"/> Molybdenum Total, Mo	ug/l	<input type="checkbox"/> Alpha, Suspd	pc/l
<input type="checkbox"/> Residue, Total Flt (Diss)		mg/l	<input type="checkbox"/> Nickel Total, Ni	ug/l	<input type="checkbox"/> Radium 226, Total	pc/l
<input type="checkbox"/> Residue, Vol Flt		mg/l	<input type="checkbox"/> Selenium Total, Se	ug/l	<input type="checkbox"/> Strontium 90, Total	pc/l
<input type="checkbox"/> Residue, Settable		mg/l	<input type="checkbox"/> Silver Total, Ag	ug/l	<input type="checkbox"/> Coliform Total, MF	/100ml
<input type="checkbox"/> Nitrogen Organic, N		mg/l	<input type="checkbox"/> Strontium Total, Sr	ug/l	<input type="checkbox"/> Coliform Total MPN, Conf	/100ml
<input checked="" type="checkbox"/> Nitrogen Ammonia, N	536	mg/l	<input type="checkbox"/> Thallium Total, Tl	ug/l	<input type="checkbox"/> Fecal Coli Total, MF	/100ml
<input checked="" type="checkbox"/> Nitrite, N	156	mg/l	<input type="checkbox"/> Tin Total, Sn	ug/l	<input type="checkbox"/> Fecal Strep Total, MF	/100ml
<input checked="" type="checkbox"/> Nitrate, N	254	mg/l	<input type="checkbox"/> Titanium Total, Ti	ug/l	<input type="checkbox"/> Plate Count, Total	#/ml
<input type="checkbox"/> Phosphorus Total, P		mg/l	<input type="checkbox"/> Tungsten Total, T	ug/l	<input type="checkbox"/> Algae, Total	#/ml
<input type="checkbox"/> Phosphorus Soluble, P		mg/l	<input type="checkbox"/> Vanadium Total, V	ug/l	<input type="checkbox"/> Zebra Mussels	#/ml
<input checked="" type="checkbox"/> Phosphate Total, PO ₄	23	mg/l	<input type="checkbox"/> Zinc Total, Zn	ug/l	<input type="checkbox"/> Zebra Mussels	#/ml
<input type="checkbox"/> Phosphate Ortho, PO ₄		mg/l	<input type="checkbox"/> Zirconium Total, Zr	ug/l	<input type="checkbox"/> BOD, 5-Day	mg/l
<input type="checkbox"/> Sulfate, SO ₄		mg/l	<input type="checkbox"/> COD	mg/l	<input type="checkbox"/> Chlorine Demand, 15 min'	mg/l
<input type="checkbox"/> Sulfide, S		mg/l	<input type="checkbox"/> Carbon Total Org, C	1620 mg/l		
<input checked="" type="checkbox"/> Chloride, Cl	250	mg/l				

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